

UK's Cosmic Leap: Artemis, Webb Telescope, and Sci-Fi Dreams!

Space Exploration UK · Answer Key · 15 Questions

1. What is the name of the NASA-led program that aims to return humans to the Moon, in which the UK is playing a significant role?

- A) Project Apollo
- B) The Artemis Program**
- C) Mars Exploration Initiative
- D) Voyager Mission

2. The UK played a key role in developing which major scientific instrument for the James Webb Space Telescope?

- A) Hubble's Advanced Camera
- B) The Mid-Infrared Instrument (MIRI)**
- C) The Radio Astronomy Imager
- D) The Exoplanet Spectrometer

3. Which UK astronaut became famous for his mission to the International Space Station (ISS) in 2015-2016?

- A) Helen Sharman
- B) Tim Peake**
- C) Major Timothy Mace
- D) Rosemary Coogan

4. The UK has been actively involved in the development of the Lunar Gateway, a space station that will orbit which celestial body?

- A) Mars
- B) Jupiter
- C) The Moon**
- D) An Asteroid

5. Which of these is a UK-licensed spaceport for vertical rocket launches, located in Shetland?

- A) Spaceport Cornwall
- B) SaxaVord Spaceport**
- C) Prestwick Spaceport
- D) Sutherland Space Hub

6. The UK is a major contributor to ESA's planetary science missions, including the development of a rover named after a famous British scientist to explore which planet?

- A) Venus
- B) Mars**
- C) Jupiter
- D) Saturn

7. Which British sci-fi film from 1968, considered a landmark in the genre, features astronauts traveling to Jupiter after discovering a monolith on the Moon?

- A) The Day the Earth Caught Fire
- B) Village of the Damned
- C) 2001: A Space Odyssey**
- D) The Quatermass Experiment

8. The UK's space sector is experiencing significant growth, with a notable focus on which type of technology that revolutionizes satellite services?

- A) Large, manned space stations
- B) Small satellite technologies**
- C) Interstellar propulsion systems
- D) Terraforming equipment

9. Which UK space program aims to develop technologies for sustainable bases and life support on the Moon, potentially involving the extraction of resources like oxygen and water?

- A) Project Daedalus
- B) The Lunar Pathfinder initiative
- C) ESA's EL3 lander project**
- D) Project Juno

10. The UK is involved in developing technologies for the Lunar Gateway, including modules for communications and refuelling, provided by companies like Thales Alenia Space UK and which other company's spacecraft?

- A) SpaceX's Starship
- B) Surrey Satellite Technology Ltd's Lunar Pathfinder**
- C) Blue Origin's New Shepard
- D) Virgin Galactic's SpaceShipTwo

11. Which UK university is leading a £4 million project to understand the unpredictable behaviour of Earth's radiation belts, crucial for protecting satellites?

- A) University of Leicester
- B) University of Oxford
- C) Northumbria University**
- D) University of Cambridge

12. The European Space Agency's (ESA) Ariel mission, in which the UK is involved, is designed to study which celestial objects?

- A) Comets
- B) Asteroids
- C) Exoplanets**
- D) Dwarf Planets

13. Which British science fiction TV show, known for its enduring popularity, features a time-traveling alien and his companions?

- A) Red Dwarf
- B) Doctor Who**
- C) The Prisoner
- D) Black Mirror

14. The UK Space Agency funds projects that support international collaborations. Which of these countries is NOT listed as a partner in the International Bilateral Fund (IBF) second round?

- A) United States
- B) Germany
- C) China**
- D) Japan

15. What is the name of the project where microscopic worms were launched to the International Space Station by UK scientists to study the effects of space travel on biological organisms?

- A) Project Chimera
- B) Artemis Worm Experiment
- C) C. elegans Space Study
- D) Space Worms!**